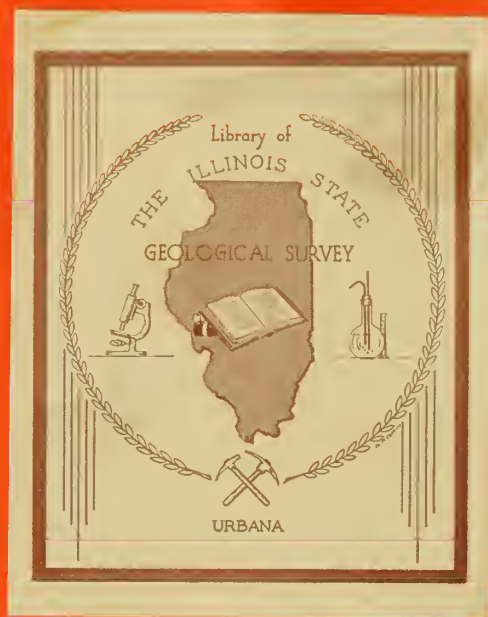


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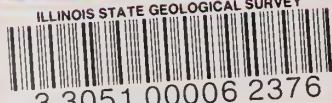
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W. L. Busch

APRIL 1971



ILLINOIS STATE GEOLOGICAL SURVEY



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ILLINOIS MINERAL PRODUCTION
BY COUNTIES, 1969

W. L. Busch


The value of minerals produced in Illinois in 1969 by 100 of the 102 Illinois counties, set a record annual high of 692.9 million dollars. This amount was 22.3 million dollars more than the previous all-time high value of 670.6 million dollars established in 1968 by 99 Illinois counties.

In 1969 the value of coal produced in 24 counties accounted for 40.4 percent of the value of all minerals produced in the state. Forty-three counties produced crude oil in 1969 and supplied 23.3 percent of the state's mineral value. The combined value of these fuels amounted to 63.7 percent of the value of all minerals for the year.

A second group of mineral products—crushed stone, cement, and lime—produced in various Illinois counties supplied 18.3 percent of the state's total mineral products value in 1969. According to table 1, 60 counties produced crushed stone, 3 counties produced cement, and 2 counties produced lime.

Clay products produced in Illinois, with a value amounting to 58.5 million dollars, represented 8.4 percent of the state's 1969 total mineral products value. Illinois clay products include face brick and common brick, drain and sewer tile, refractories, lightweight aggregate, pottery, and white-ware. In 1969 clay products plants were located in 23 counties throughout the state.

Sand and gravel production in Illinois in 1969 furnished about 8.3 percent of the state's mineral products value for the year. This group of minerals includes common sand and gravel, silica sand, and some other special sands. In 1969 common sand was produced in 65 Illinois counties, 61 counties produced gravel, and silica sand was produced in 2 counties.



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Fluorspar, lead, and zinc, as a group, accounted for 1.3 percent of the state's total mineral value in 1969. Two counties produced fluorspar and 3 counties produced lead and zinc.

SUMMARIES OF TABLES

Table 1—Illinois Mineral Products and Major Producing Counties, 1969

Table 1 lists the mineral commodities and the number of counties that produce each item. Counties supplying the various mineral materials are listed in order of rank to include, when possible, the top 10 producers in 1969. Stone, common sand, and gravel were each produced by 60 or more counties during the year. Forty-three counties recovered crude oil, coal was mined in 24 counties, and clay products were provided by 23 counties. All other listed commodities came from one, two, or three counties.

Table 2—Summary of Illinois Mineral Production, 1968-1969

Illinois mineral production for the years 1968 and 1969 is summarized in table 2. Listed are the mineral commodities, the production indicated by commercial operators, and the state total annual value for each product. The annual values of some mineral products were combined under *Other materials* to avoid revealing individual production figures.

Table 3—Value of Illinois Regional Mineral Production, 1962-1969

To show the rise or decline of mineral production in broad areas of the state, the counties of Illinois have been grouped into nine regions, as outlined on the map at the end of this report. Table 3 lists the nine regions and indicates the total value of all minerals produced in each region for the years 1962 through 1969. These regional annual production figures show that certain areas have recorded steady growth over the years, other areas have maintained a more or less constant level, and some areas trend toward declining mineral production.

Table 4—Illinois Counties Ranked According to Total Value of Minerals Produced in 1969

The relative position held by each county of Illinois in dollar value of minerals produced during 1969 is shown in table 4. Although each county holds a specific rank in the state, the position of some counties is not given to avoid disclosing individual production information. Such counties, therefore, have been combined with one or two other counties of the same region. The combined total mineral production value for these counties has been listed among the individual counties in table 4. All counties in the state are accounted for in this table.

Tables 5-13—Illinois Mineral Production by County, According to Region, 1969.

The value in dollars of each county's contribution to the state's total mineral production value for 1969 is shown in tables 5 through 13. The tables, which group the counties within regions, list the various mineral products produced in each county in order of importance. The regional and county outlines are shown on the map at the end of this report. In order to preserve confidential production information, some county values within regions have been combined.

TABLE 1—ILLINOIS MINERAL PRODUCTS AND MAJOR PRODUCING
COUNTIES, 1969

Mineral product	Total number of producing counties	Producing counties in order of rank*
Cement	3	La Salle, Massac, Lee
Clay products	23	La Salle, Cook, McDonough, Knox, Crawford, Kane, Du Page, Grundy, Warren, Will
Coal	24	Perry, Franklin, Fulton, St. Clair, Christian, Jefferson, Williamson, Randolph, Montgomery, Saline
Crude oil	43	White, Lawrence, Wayne, Fayette, Marion, Clay, Crawford, Hamilton, Richland, Wabash
Fluorspar	2	Hardin, Pope
Lead	3	Jo Daviess, Hardin, Pope
Lime	2	Cook, Adams
Natural bonded molding sand	3	Henry, Rock Island, Fayette
Common sand	65	McHenry, Grundy, Kane, Will, Winnebago, Rock Island, Peoria, Cook, Lake, Sangamon
Common gravel	61	McHenry, Kane, Will, Peoria, Lake, Tazewell, Bureau, McLean, Winnebago, Cook
Sandstone	1	Alexander
Silica sand	2	La Salle, Ogle
Stone	60	Cook, Will, St. Clair, Kankakee, Livingston, Randolph, Hardin, Vermilion, Rock Island, Montgomery
Tripoli	1	Alexander
Zinc	3	Jo Daviess, Hardin, Pope

* For commodities produced by many counties, only the first 10 counties are listed.

TABLE 2—SUMMARY OF ILLINOIS MINERAL PRODUCTION, 1968-1969

Material	Unit	1968		1969	
		Quantity	Value at plants	Quantity	Value at plants
Coal - bituminous	tons	62,143,076	\$249,193,735	64,832,584	\$280,076,763
Crude oil	bbls	56,391,000	173,120,370	50,724,000	161,302,320
Crushed stone	tons	52,665,155	77,194,915	51,681,297	78,428,150
Cement	bbls	9,974,166	34,572,348	9,323,180	32,133,405
Clay products	—	—	53,613,873	—	58,466,631
Common sand	tons	18,580,000	16,288,000	17,593,298	17,275,700
Common gravel	tons	21,626,000	22,380,000	21,267,490	23,054,205
Silica sand	tons	3,912,000	13,405,000	4,394,950	15,770,919
Fluorspar	tons	188,325	9,134,132	88,480	4,676,065
Zinc	tons	18,182	4,909,140	13,765	4,019,400
Lead	tons	1,467	387,641	791	235,700
Other materials	—	—	16,400,846	—	17,460,742
TOTAL			\$670,600,000		\$692,900,000

TABLE 3—VALUE OF ILLINOIS REGIONAL MINERAL PRODUCTION, 1962-1969

Region	Value at plants			
	1962	1963	1964	1965
Northwest	\$ 25,385,598	\$ 24,790,496	\$ 23,764,752	\$ 20,816,139
Northeast	109,636,239	99,880,180	105,642,713	108,912,440
West	45,068,843	46,840,320	52,801,695	54,102,781
Central	22,725,054	22,011,242	16,273,648	17,541,957
East	14,123,805	13,150,956	12,935,550	12,502,670
West-southwest	43,767,554	44,332,911	44,264,466	44,439,585
East-southeast	146,865,137	135,043,156	128,222,889	117,761,494
Southwest	85,958,950	90,616,067	94,869,344	105,691,548
Southeast	137,468,820	138,334,672	139,224,943	136,731,386
TOTAL	\$631,000,000	\$615,000,000	\$618,000,000	\$618,500,000

Region	1966	1967	1968	1969
Northwest	\$ 21,457,316	\$ 24,101,568	\$ 26,915,759	\$ 24,322,204
Northeast	109,495,206	111,689,340	127,914,135	132,500,031
West	55,889,208	53,950,971	56,844,431	56,043,195
Central	18,131,790	17,152,078	19,283,910	25,031,506
East	13,287,698	12,697,460	12,356,067	14,456,240
West-southwest	48,628,029	49,452,000	48,200,541	51,429,714
East-southeast	113,717,932	100,464,801	98,390,101	95,862,360
Southwest	118,043,155	124,829,821	122,370,732	122,335,473
Southeast	145,349,666	155,661,961	158,324,324	170,919,277
TOTAL	\$644,000,000	\$650,000,000	\$670,600,000	\$692,900,000

TABLE 4—ILLINOIS COUNTIES RANKED ACCORDING TO TOTAL VALUE
OF MINERALS PRODUCED IN 1969*

Rank†	County†	Total value	Rank†	County†	Total value
1.	Cook	\$50,021,441	24.	Lee	\$10,871,041
2.	Franklin	40,935,871			
3.	Perry	38,549,068		Grundy }	
4.	La Salle	36,111,712		Du Page }	10,732,201
5.	St. Clair	30,831,849			
6.	Fulton	27,306,691	25.	Massac	10,613,644
	Christian }			Wabash }	
	Macoupin }	24,941,716		Edwards }	9,298,289
	Morgan }				
8.	Jefferson	24,256,305	27.	Hardin	8,041,846
9.	White	23,308,425	28.	McDonough	7,885,833
10.	Williamson	20,477,789	29.	Hamilton	6,920,960
11.	Randolph	19,215,143	30.	Richland	6,863,720
12.	Fayette	18,620,219	32.	McHenry	6,634,955
			33.	Vermilion	6,417,214
13.	Lawrence	18,472,936		Stark }	
14.	Wayne	18,036,980		Marshall }	4,296,132
15.	Montgomery	15,841,371			
16.	Gallatin	14,891,764	36.	Jasper	4,243,760
17.	Peoria	14,815,364		Washington }	
18.	Knox	14,354,027		Monroe }	4,119,840
19.	Saline	14,337,778			
20.	Crawford	13,552,991	37.	Douglas	4,088,487
21.	Kane	13,014,010	38.	Madison	3,964,614
22.	Will	12,397,499	39.	Kankakee	3,943,123
			42.	Clinton	3,130,615
	Marion }		43.	Jo Daviess	3,038,685
	Moultrie }	12,300,143	44.	Livingston	3,020,087
	Clay }			Warren }	
	Effingham }	11,366,320		Schuyler }	2,712,871

* Table based on information recorded on following pages of this report.

† The rank of each individual county is based on numbered rank of all counties from 1 through 102. The individual rank of combined counties cannot be given.

‡ The total of combined counties is placed in proper order among totals of single counties.

(Continued on next page)

TABLE 4—Continued*

Rank [†]	County [‡]	Total value	Rank [†]	County [‡]	Total value
46.	Winnebago	\$ 2,549,469	73.	Bureau	\$ 680,104
48.	Coles	2,542,958	74.	Hancock	671,736
49.	Adams	2,523,428	75.	Logan	670,595
50.	Ogle	2,477,035	76.	Henderson	564,117
	Johnson }		77.	Woodford	548,380
	Jackson }	2,462,519	78.	Bond	486,927
51.	Rock Island	2,456,829	80.	Shelby	463,964
52.	Clark	2,312,877	81.	Boone	454,946
53.	Sangamon	2,242,943	82.	Kendall	446,361
55.	Lake	1,965,027	83.	Whiteside	435,183
	De Witt }		84.	Henry	401,410
	Menard }	1,846,227	85.	Carroll	362,856
	Mason }		86.	Macon	343,149
56.	Tazewell	1,707,382		Mercer }	
58.	Greene	1,537,892		Putnam }	325,378
59.	Union	1,387,773	87.	Edgar	314,820
60.	Pike	1,385,927		Ford }	
61.	Pulaski	1,106,328		Iroquois }	286,343
62.	Alexander	1,054,549	89.	Pope	277,415
67.	Scott	808,974	92.	Jersey	168,722
68.	McLean	804,277	94.	Calhoun	50,628
69.	Champaign	789,473	99.	Brown	24,492
70.	Stephenson	724,214	101.	Cass }	*
71.	De Kalb	721,879	102.	Piatt }	*
72.	Cumberland	719,165			

* Table based on information recorded on following pages of this report.

† The rank of each individual county is based on numbered rank of all counties from 1 through 102. The individual rank of combined counties cannot be given.

‡ The total of combined counties is placed in proper order among totals of single counties.

* No commercial mineral production reported for 1969.

TABLE 5—ILLINOIS MINERAL PRODUCTION BY COUNTY, NORTHWEST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Bureau	\$ 680,104	Gravel, sand
Carroll	362,856	Stone, gravel, sand
Henry	401,410	Stone, natural bonded molding sand, sand
Jo Daviess	3,038,685	Zinc, stone, lead, sand, gravel
Lee	10,871,041	Cement, stone, gravel, sand
Mercer }	325,378	Stone, coal
Putnam }		Gravel
Ogle	2,477,035	Silica sand, stone, gravel, sand
Rock Island	2,456,829	Stone, sand, gravel, natural bonded molding sand
Stephenson	724,214	Stone, sand, gravel
Whiteside	435,183	Stone, sand, gravel
Winnebago	2,549,469	Stone, sand, gravel
TOTAL	\$24,322,204	

TABLE 6—ILLINOIS MINERAL PRODUCTION BY COUNTY, NORTHEAST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Boone	\$ 454,946	Stone, gravel, sand
Cook	50,021,441	Stone, lime, clay products, sand, gravel
De Kalb	721,879	Stone, sand, gravel
Grundy }	10,732,201	Clay products, sand, coal, gravel
Du Page }		Clay products, stone, gravel, sand
Kane	13,014,010	Clay products, gravel, stone, sand
Kendall	446,361	Stone, gravel
Lake	1,965,027	Clay products, gravel, sand
La Salle	36,111,712	Silica sand, cement, clay products, gravel, sand, stone
McHenry	6,634,955	Gravel, sand, stone
Will	12,397,499	Stone, coal, gravel, clay products, sand
TOTAL	\$132,500,031	

TABLE 7—ILLINOIS MINERAL PRODUCTION BY COUNTY, WEST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Adams	\$ 2,523,428	Stone, lime, sand, coal, crude oil, gravel
Brown	24,492	Clay products, stone, crude oil, sand, gravel
Fulton	27,306,691	Coal, gravel, sand
Hancock	671,736	Stone, crude oil
Henderson	564,117	Stone
Knox	14,354,027	Coal, clay products, stone
McDonough	7,885,833	Clay products, stone, crude oil
Warren } Schuyler }	2,712,871	Clay products, stone Gravel, stone, sand
TOTAL	\$56,043,195	

TABLE 8—ILLINOIS MINERAL PRODUCTION BY COUNTY, CENTRAL REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
De Witt } Menard } Mason }	\$ 1,846,227	Crude oil, gravel, sand Stone Sand
Logan	670,595	Stone, gravel, sand
McLean	804,277	Gravel, sand
Macon	343,149	Sand, gravel, crude oil
Peoria	14,815,364	Coal, gravel, stone, sand
Stark } Marshall }	4,296,132	Coal, gravel Gravel, sand
Tazewell	1,707,382	Gravel, sand, clay products
Woodford	548,380	Gravel, sand
TOTAL	\$25,031,506	

TABLE 9—ILLINOIS MINERAL PRODUCTION BY COUNTY, EAST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Champaign	\$ 789,473	Sand, gravel
Ford } Iroquois }	286,343	Sand, gravel Sand, gravel
Kankakee	3,943,123	Stone, clay products, coal, sand, gravel
Livingston	3,020,087	Stone, gravel, clay products, sand
Piatt	—	No mineral production reported for 1969
Vermilion	6,417,214	Coal, stone, clay products, gravel, sand
TOTAL	\$14,456,240	

TABLE 10—ILLINOIS MINERAL PRODUCTION BY COUNTY, WEST-SOUTHWEST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Bond	\$ 486,927	Crude oil, sand, gravel
Calhoun	50,628	Stone
Cass	—	No mineral production reported for 1969
Christian } Macoupin } Morgan }	24,941,716	Coal, crude oil, stone Stone, crude oil Sand
Greene	1,537,892	Clay products, stone
Jersey	168,722	Stone
Madison	3,964,614	Stone, clay products, sand, crude oil
Montgomery	15,841,371	Coal, stone, crude oil
Pike	1,385,927	Stone, gravel, sand
Sangamon	2,242,943	Crude oil, clay products, sand, gravel
Scott	808,974	Clay products, stone, sand, gravel
TOTAL	\$51,429,714	

TABLE 11—ILLINOIS MINERAL PRODUCTION BY COUNTY,
EAST-SOUTHEAST REGION, 1969

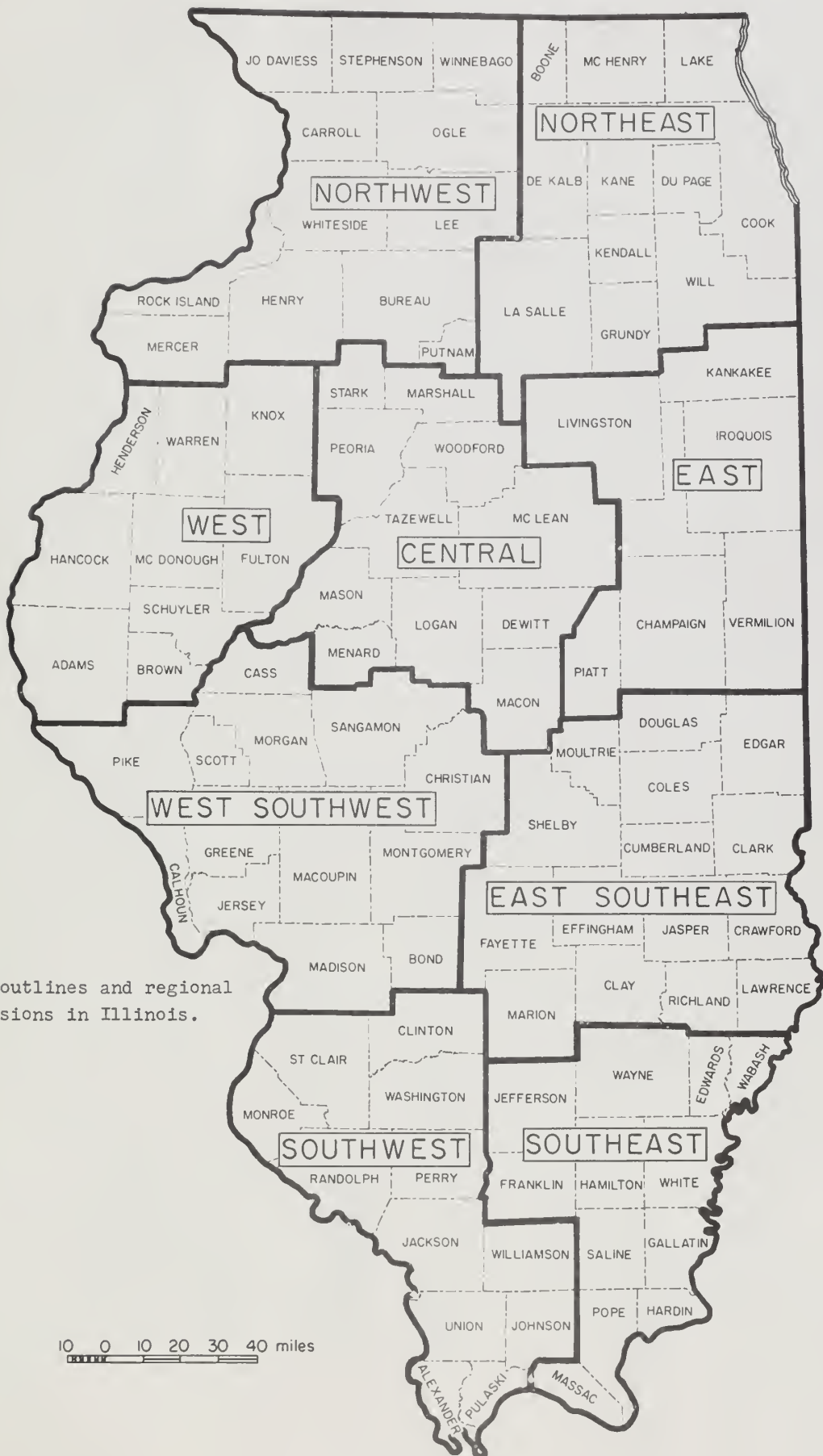
County	Total value all minerals	Minerals produced, in order of value
Clark	\$ 2,312,877	Crude oil, stone, gravel, sand
Clay } Effingham }	11,366,320	Crude oil, stone, gas Crude oil, sand
Coles	2,542,958	Crude oil, stone, sand, gravel
Crawford	13,552,991	Crude oil, clay products, gravel, sand, gas
Cumberland	719,165	Crude oil, sand, gravel, stone
Douglas	4,088,487	Coal, crude oil
Edgar	314,820	Crude oil
Fayette	18,620,219	Crude oil, stone, gravel, gas, sand, clay products, natural bonded molding sand
Jasper	4,243,760	Crude oil, gas
Lawrence	18,472,936	Crude oil, gravel, sand, gas
Marion } Moultrie }	12,300,143	Crude oil, stone, gas Crude oil, gravel
Richland	6,863,720	Crude oil, gas
Shelby	463,964	Crude oil, stone, gravel, sand
TOTAL	\$95,862,360	

TABLE 12—ILLINOIS MINERAL PRODUCTION BY COUNTY, SOUTHWEST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Alexander	\$ 1,054,549	Tripoli, sand, gravel, sandstone
Clinton	3,130,615	Crude oil, stone, sand, gas, gravel
Johnson } Jackson }	2,462,519	Stone, coal Coal, stone, sand
Perry	38,549,068	Coal, crude oil
Pulaski	1,106,328	Clay products, stone, sand, gravel
Randolph	19,215,143	Coal, stone, crude oil, sand
St. Clair	30,831,849	Coal, stone, crude oil, clay products, sand
Union	1,387,773	Stone, gravel, sand
Washington } Monroe }	4,119,840	Crude oil, stone, coal Stone
Williamson	20,477,789	Coal, crude oil
TOTAL	\$122,335,473	

TABLE 13—ILLINOIS MINERAL PRODUCTION BY COUNTY, SOUTHEAST REGION, 1969

County	Total value all minerals	Minerals produced, in order of value
Franklin	\$ 40,935,871	Coal, crude oil, gas
Gallatin	14,891,764	Coal, crude oil, sand, gravel, gas
Hamilton	6,920,960	Crude oil, gas
Hardin	8,041,846	Fluorspar, stone, zinc, lead
Jefferson	24,256,305	Coal, crude oil, gas
Massac	10,613,644	Cement, sand, stone, gravel
Pope	277,415	Fluorspar, zinc, lead
Saline	14,337,778	Coal, crude oil
Wabash } Edwards }	9,298,289	Crude oil, gravel, sand, gas Crude oil, gravel, sand
Wayne	18,036,980	Crude oil, gas
White	23,308,425	Crude oil, gravel, sand, gas
TOTAL	\$170,919,277	



County outlines and regional divisions in Illinois.

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MINERAL ECONOMICS BRIEFS SERIES

1. Directory of Illinois Limestone and Dolomite Producers: W. L. Busch. 1961.
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